

Blonde II z przyprawami

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **15**
- SRM **3.8**
- Style **Belgian Blond Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **22.9 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **70 C**, Time **30 min**
- Temp **77 C**, Time **5 min**

Mash step by step

- Heat up **17.8 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **70C**
- Keep mash **5 min** at **77C**
- Sparge using **15.6 liter(s)** of **76C** water or to achieve **28.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Pilzneński | 4.5 kg (82.6%) | 81 % | 4 |
| Grain | Strzegom Wiedeński | 0.3 kg (5.5%) | 79 % | 10 |
| Grain | Weyermann - Carapils | 0.3 kg (5.5%) | 78 % | 4 |
| Sugar | Candi Sugar, Clear | 0.35 kg (6.4%) | 78.3 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------|--------|--------|------------|
| Boil | Marynka | 20 g | 65 min | 6.8 % |
| Aroma (end of boil) | Styrian Golding | 20 g | 5 min | 3.6 % |
| Aroma (end of boil) | Styrian Golding | 30 g | 0 min | 3.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------------|------|--------|--------|-------------|
| Wyeast - 3522 Belgian Ardennes | Ale | Liquid | 250 ml | Wyeast Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------|------------------|--------|---------|-------|
| Spice | kolendra | 6 g | Boil | 5 min |
| Spice | 1 gwiazdka anyżu | 0.5 g | Boil | 5 min |
| Spice | curacao | 6 g | Boil | 5 min |